

- 1 -

piece 1, NC\_000913, yrfF\_yrfG-, config: linear, direction: --, begin: 3526720, end: 3526607

The diagram illustrates the yrfG gene structure. It shows the 5' end of the DNA sequence with various promoters and transcription start sites indicated by asterisks (\*). The promoters are color-coded: red for P<sub>1</sub>, green for P<sub>2</sub>, blue for P<sub>3</sub>, and yellow for P<sub>4</sub>. The gene itself is represented by a pink box. A red circle highlights a specific site on the DNA. Below the DNA sequence, a dashed line indicates the transcription start point. The mature mRNA is shown as a blue line with a poly-A tail. A red bracket labeled '1 NC 000913.yrfG' spans the mature mRNA. To the right, a red box labeled 'ir yrfF yrfG-' is shown, with a red arrow pointing to it. A legend at the bottom right indicates that red arrows represent transcription start sites and red boxes represent inverted repeats.

A colorful illustration of a rainbow bridge with a blue base and red support pillars, spanning over a green landscape with small trees.

r\_yrfF\_yrfG- [###> orf 16 codons

{-----} sd-(11)-ir 3526696 Gap 3.0 bits

p10 1.2 bits

|-----| sd-ir\_3526696 vrfF\_yrfG- total 6.6 bits

1

—  
—  
—

1

- (12)

-ir 3)

26674

Gap 4

.0 bi

1

0 \* \* 3526620 \* \* 3526610

t t a t t c g a t a a g g c t t t c t g 3'

<----- ... NC\_000913.yrfF